

Sean Lidy

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EDUCATION

BS/MS in Software Engineering
ROCHESTER INSTITUTE OF TECHNOLOGY

Rochester, NY | December 2028

WORK EXPERIENCE

FREELANCE SOFTWARE DEVELOPMENT | INDEPENDENT CONTRACTOR Remote | January 2025 - Present

- Produced a local image resizing tool built to replace underperforming and time consuming existing tools.
- Consultation with target audience of content creators to conceptualize desired project outcome.
- Utilized iterative design processes to achieve the needed functionality and user experience.
- Gain of reported 13% efficiency in video production workflow.

ALLIANCE RV | SEASONAL INTERN

Elkhart, IN | June 2023 - August 2023

- Created a bespoke sales data visualization tool using Mapbox and Bing's Geocoding API.
- Developed and successfully deployed the tool on Windows Server for remote use by sales professionals.
- Achieved project objectives within an accelerated time frame.

SKILLS

Languages: Python, C, Lua, JavaScript, Java

Technologies & Frameworks: React, PostgreSQL, Selenium, Pandas, Numpy

Tools: Git, Vim, Linux, Docker, Trello, Slack

PROJECTS

INDEPENDENT LEARNING

SAMBA, DOCKER, AWK

- Engaged in self-motivated investigation of tools, such as Samba, Docker, AWK, OS imaging, redundant storage practices, and service hosting, to improve my understanding of system administration and use-case knowledge.
- Learned many principles of system administration and how different systems interact at a networking level.

CF-PACK-EXPORT-TO-MD 

PYTHON, SELENIUM, BEAUTIFUL SOUP

- Used extensible web scraping tools to automate the aggregation of export data.
- Automated the conversion of non-human readable files into a customizable format for flexible documentation.

COLOR PARSING 

PYTHON

- A python TUI tool designed to isolate and sort the unique colors in an image.
- Used Pillow and native Python libraries to facilitate file i/o and image manipulation.

ACADEMIC PROJECTS

PYTHON, POSTGRESQL, C

- Built a full stack "club" management simulator, designed database schema, api routes, and dynamic frontend.
- Ongoing development of an embedded C project that requires the usage of proprietary packages, midi parsing, and program footprint management.

ACTIVITIES

COMPUTER SCIENCE HOUSE | SPECIAL INTEREST GROUP AT RIT

RIT | August 2023 - Present

- Conceptualized, researched, developed and completed a yearly Major Project to improve personal technical skills.
- Engaged in many relevant educational seminars to increase knowledge of adjacent career skills.

FIRST LEGO LEAGUE MENTOR | LONG TERM SUPPORT

Elkhart, IN | August 2019 - Present

- Mentored the next generation of STEM professionals in software development fundamentals for robotics.
- Taught lessons in applied problem solving to identify and isolate solutions to robotics challenges utilizing real world math and logic.